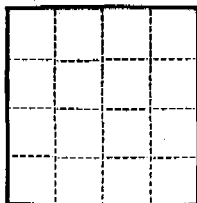


15



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. 019026  
Unit ---

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 3, 1957

Well No. 1 is located 660 ft. from N line and 1980 ft. from E line of sec. 3  
SE 1/4 Sec. 3 14 N., 19 W. Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Goose Creek Box Elder Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is app. 4200 ft.

DETAILS OF WORK

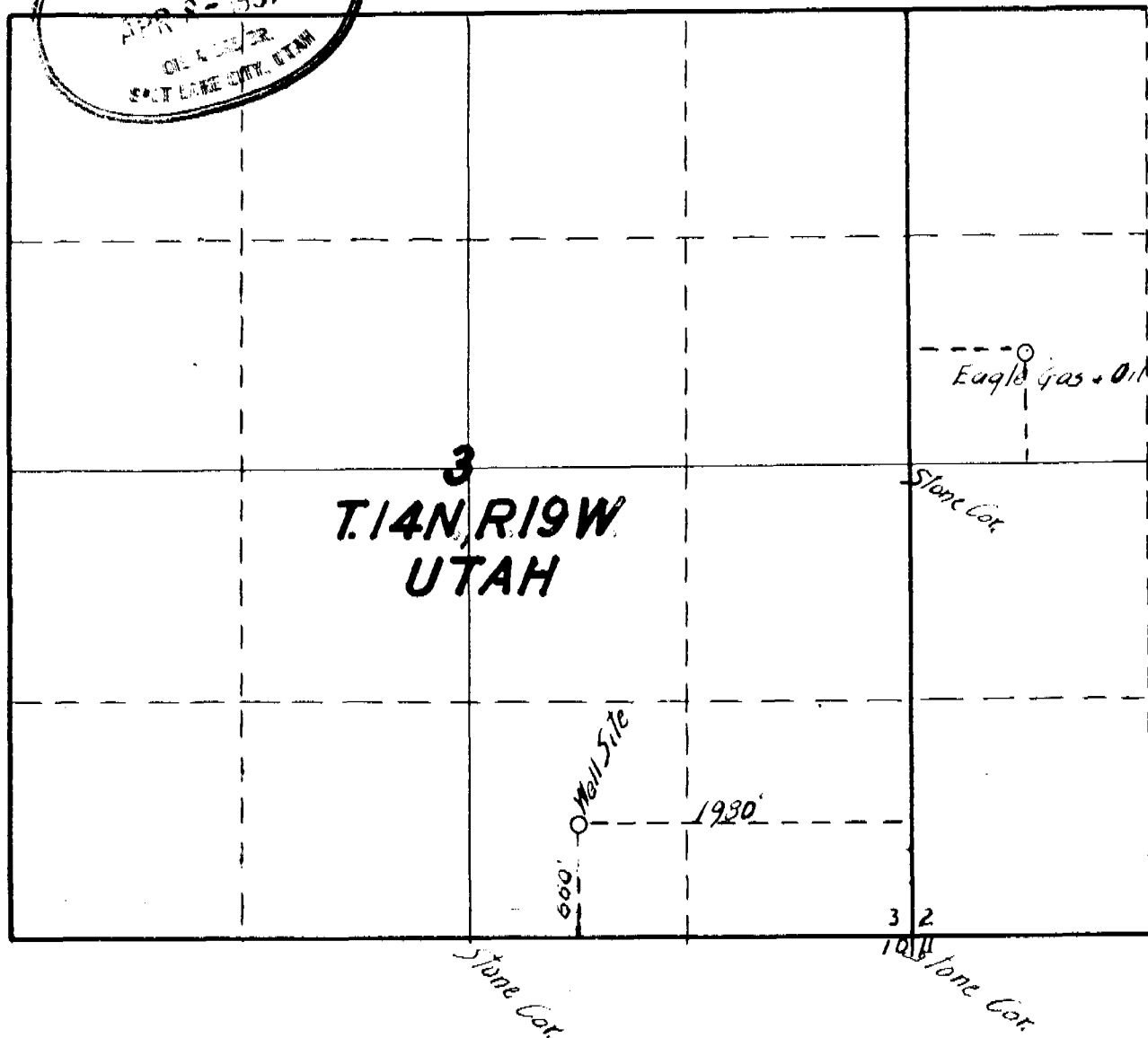
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

900 ft. depth - Expect to cement surface casing.  
 150 ft. 8-5/8" O.D.

*Not at  
San Francisco*

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

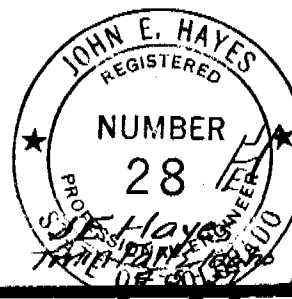
Company Charles E. Walden  
 Address 823 Sims Building,  
Albuquerque, New Mexico  
 By Charles E. Walden  
 Title Self



I hereby certify that this map correctly represents the location of the drilling site for the Charles E. Malden No. 1 Fuel well in the center of the S1/4 SE 1/4 Sec 9, T14 N., R. 19 W., S. 1 N.

Survey made and site started  
on April 5, 1957. (4, 1)

B. Lange CE  
Twin Falls, Idaho.



LESLIE W. CHAMBER  
*Geologist*  
544 ARCADE BUILDING  
SALT LAKE CITY 1, UTAH

Page Two

Geology - continued

In T. 13 N., R. 19 W., Box Elder County, Utah an belt of Paleozoic limestones, thought to be of Permian age, exist. Permian ? limestones and chert beds were also found in section 36 T. 14 N., R. 19 W.

Structure

There is evidence of folding in the area but an orthodox structure as described by Mr. Stack was not found.

The Tertiary beds dip easterly at about 10 degrees on the east flank to about 5 degrees near the Nevada line. Two west dips were noted, one in section 22 T. 14 N., R. 19 W., and the other in section 13 T. 47 N., R. 69 E., MDM Meridian, Elko County, Nevada. These do not line up. North in Idaho, a high basalt escarpment dips easterly at a low angle.

The Paleozoic rocks dip west in T. 13 N., R. 19 W., and easterly in the southeast part of T. 14 N., R. 19 W. This indicates a sharp fold in the old rocks.

It is believed that the Tertiary formations are relatively thin in this area.

Development

The Eagle Gas and Oil Company drilled a well to a depth of 807 feet in C NE-NW section 2, T. 14 N., R. 19 W., Box Elder County, Utah. Mr. Stack's report giving the details on this well is attached. Oil shows were reported at 665 feet and 785 feet. Pipe was run and tests made. This well the State No. 1 was drilled in 1956.

In 1957 Charles E. Walden drilled a well in the SW SE of section 3, T. 14 N., R. 19 W., and about 3/4 of a mile westerly from the above well. The well known as the Federal No. 1

LESLIE W. DRAMER  
Geologist  
250 ARCADE BUILDING  
SALT LAKE CITY 1, UTAH

Page Three

Drillings - continued

reached a depth of 842 feet. The following is a log.

0 - 78	Shales, sands, & gravels.
82	Rhyolite tuff, brown, hard
140	Sand & sandy shale, fine quartz grains & volcanic glass.
190	Shale, yellow-orange.
222	Tuff, white, glass shards, obsidian glass
230	Sand, very fine grained, calcareous cement.
280	Shale and sandy shale, yellow.
320	Conglomerate, pea-size feldspar and quartz pebbles.
340	Shale green-yellow, calcareous
380	Sand, round quartz grains
420	Shale, bentonitic, green-yellow
520	Conglomerate composed of quartz and angular glass fragments, lower part sand with streaks of crystalline, mottled dark limestone.
530	Tuff, dark brown, xln, hard.
610	Tuff and marl, white.
620	Sand, round quartz grains
670	Shale, gray-green
690	Sand, very fine grained
700	Shale, green, bentonitic
720	Sand, glass shards and quartz grains

**LOUIS W. CRAMER**  
*Geologist*  
514 ATLAS BUILDING  
SALT LAKE CITY 1, UTAH

Page Four

Development - continued

- |     |  |
|-----|--|
| 780 | Shale, clay, gray-green; some carbonaceous shale.        |
| 795 | Sand, glass shards, with some quartz.                    |
| 842 | Shale, tan-green, with some glass and quartz inclusions. |

No oil shows were reported and the well is said to have been without water. It is my understanding that the Eagle Gas and Oil Company well had considerable water.

It is thought that the Walden well spudded in or just above the horizons from which the oil shows were reported in the Eagle Gas and Oil Company well, and therefore is not likely to have confirmed the reported oil shows in the Eagle well.

The marls logged 530-610 are likely the beds exposed in the west part of sections 9 and 16, T. 14 N., R. 19 W.

Conclusions

The conglomerates in the Walden well substantiate the premise of a shallow depth to the Paleozoic rocks which are thought to be unfavorable for the production of oil and gas. The Tertiary cover in the area is mostly of volcanic origin.

It is believed that the show in the Eagle Gas and Oil Company's well does not warrant an offset well to confirm it.

The structural condition in the area of interest is not good.

A test well in this area is therefore not recommended.

*Louis W. Cramer*  
Louis W. Cramer

April 11, 1957

Charles E. Walden  
823 Sims Building  
Albuquerque, New Mexico

Dear Sir:

This is to acknowledge receipt of your notice of intention to drill Well No. 1, which is to be located 660 feet from the south line and 1980 feet from the east line of Section 3, Township 14 North, Range 19 West, SEEM, Box Elder County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
SECRETARY

CBF:cn

cc: Don Russell, Dist. Eng.  
USGS, Federal Building  
Salt Lake City, Utah